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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION **USING AN APPLICATION DATA SHEET** (37 CFR 1.76)

As the below named inventor(s), I/we declare that:

Attorney Docket No.	0229.99
First Inventor	Linda S. Thomashow et al.
Title	Sequences Encoding PhzO and Methods
Express Mail No. / Mailing Date	EF408136186US Dec. 13,2001

This declaration is directed to:					
[] The attached application, or					
[X] Application No. <u>09/965,175</u> , filed on <u>September 27, 2001</u> , as amended on (if applicable);					
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;					
I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;					
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and					
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may leopardize the validity of the application or any patent issuing thereon.					
FULL NAME OF INVENTOR(S)					
FULL NAME OF INVENTOR(S) Inventor one: LINDA S. THOMASHOW					
FULL NAME OF INVENTOR(S) Inventor one: LINDA S. THOMASHOW Signature:					
FULL NAME OF INVENTOR(S) Inventor one: LINDA S. THOMASHOW Signature: Lynda J Jhomashaw Citizen of: US Inventor two: SHANNON M. DELANEY					
FULL NAME OF INVENTOR(S) Inventor one: LINDA S. THOMASHOW Signature:					
FULL NAME OF INVENTOR(S) Inventor one: LINDA S. THOMASHOW Signature: Lynda J. Jhamashaw Citizen of: US Inventor two: SHANNON M. DELANEY Signature: Citizen of: US Inventor three: DMITRI V. MAVRODI					
FULL NAME OF INVENTOR(S) Inventor one: LINDA S. THOMASHOW Signature: Lynda J Jhamashaw Citizen of: US Inventor two: SHANNON M. DELANEY Signature: Citizen of: US Inventor three: DMITRI V. MAVRODI Signature: Citizen of: RUSSIA					

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Attorney Docket No.	0229.99
First Inventor	Linda S. Thomashow et al.
Title	Sequences Encoding PhzO and Methods
Express Mail No. / Mailing Date	EF408136186US

As the below named inventor(s), I/we declare that:					
This declaration is directed to:	[
[] The attached application, or					
[X] Application No. <u>09/965,175</u> , filed on <u>September 27, 2001</u> , ☐ as amended on(if applicable);					
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed an which a patent is sought;	d for				
I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;					
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and					
All statements made herein of my/own knowledge are true, all statements made herein on information belief are believed to be true, and further that these statements were made with the knowledge that wi false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, a jeopardize the validity of the application or any patent issuing thereon.	llfuil				
FULL NAME OF INVENTOR(S)					
Inventor one: LINDA S. THOMASHOW					
Signature: Citizen of:					
Inventor two: SHANNON M. DELANEY					
Signature: Signature: US Citizen of: US					
Inventor three:DMITRI V. MAVRODI					
Signature: Citizen of:					
Inventor four:DAVID M. WELLER					
Signature: Citizen of:					

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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UTILITY OR DESIGN APPLICATION
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(37 CFR 1.76)

Attorney Docket No.	0229.99
First Inventor	Linda S. Thomashow et al.
Title	Sequences Encoding PhzO and Methods
Express Mail No. / Mailing Date	EF408136186US Dec. 13, 2001

As the below named inventor(s), I/we declare that:					
This declaration is directed to:					
[] The attached application, or					
[X] Application No. <u>09/965,175</u> , filed on <u>September 27, 2001</u> ,					
☐ as amended on (if applicable);					
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;					
I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;					
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and					
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.					
FULL NAME OF INVENTOR(S)					
Inventor one: LINDA S. THOMASHOW					
Signature: Citizen of:					
Inventor two: SHANNON M. DELANEY					
Signature: Citizen of:					
Inventor three:DMITRI V. MAVRODI					
Signature:					
Inventor four: DAVID M. WELLER					
Inventor four: DAVID M. WELLER Signature: Citizen of: US					

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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Application Number

	Applicat	ion Number	09/965,175	
	Filing Da	ite	09/27/2001	
POWER OF ATTORNEY OR	First Na	ned Inventor	Linda S. Thomashow et al.	
AUTHORIZATION OF AGENT	Title		Sequences Encoding PhzO and Methods	
	Group A	rt Unit	1645	
•	Examine	r Name	Not yet assigned	
	Attorney	Docket Number	0229.99	
	Express	Mail No. / Date	EF408136186US Dec. 13,2001	
I hereby appoint: Practitioners at Customer Number OR Practitioner(s) named below:		25278	COP	
None		Desire		
Name		Registration	Number	
as my/our attorney(s) or agent(s) to prosec	ute the app	lication identified	above, and to transact all	
business in the United States Patent and Tr	rademark C	Office connected (therewith.	
Please change the correspondence address for ☑ The above-mentioned Customer Number. OR	the above	identified applica	ation to:	
□Firm <i>or</i> Individual Name				
Address		·		
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Country		- 10		
Telephone	Fax			
I am the:				
☑ Applicant/Inventor.				
□ Assignee of record of the entire interest. Se Statement under 37 CFR 3.73(b) is enclose	e 37 CFR 3 d. (Form P	3.71. TO/SB/96).		
SIGNATURE of Ap	pplicant or A	Assignee of Reco	rd	
Name Linda S. Thomashov	v ·			
Signature Lindas VII:	machen	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
Date December 3	2001			
NOTE: Signatures of all the inventors or assignees of re	NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.			
*Total of 4 forms are submitted. (Page	1 of 4)			

09/965,175

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Application Number

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT		Filing Date		09/27/2001		
		First Named Inventor		Linda S. Thomashow et al.		
		Title		Sequences Encoding PhzO and Methods		
		Group A	t Unit	1645		
	·	Examine	Name	Not yet assigne	d	
		Attorney	Docket Number	0229.99		
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	nventor.					
□ Assignee o	f record of the entire interest. See	37 CFR 3	71			
Statement	under 37 CFR 3.73(b) is enclosed.	. (Form P	TO/SB/96).			
	SIGNATURE of App			-d		
Name	Shannon M. Delaney		·		-	
Signature	Shancer M.	01.				
Date	November 26	Novara 21 22 - 1				
NOTE: Signatures	of all the inventors or assignees of records if more than one signature is require	ord of the e	atire interest or their	representative(s) are	required.	
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*Total of _4_	forms are submitted. (Page 2	of 4)				

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Application Number

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT		Filing Date		09/27/2001				
		First Named Inventor		Linda S. Thomashow et al.				
		Title		Sequences Encoding PhzO and Methods				
		Grou	Group Art Unit		1645			
•		•	Exan	Examiner Name		Not yet assigned		ed
			Attor	ney Docket Nu	ımber	0229.99		
			Expr	ess Mail No. / [Date	EF4081361	186US	Dec. 13, 2001
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Country					*			
Telephone		,	Fa	ax	****			
I am the:								
Applicant/I	nvent	or.				•		
		ord of the entire interest. See r 37 CFR 3.73(b) is enclosed			[;]).			
		SIGNATURE of App	olicant	or Assignee	of Recor	d	-	
Name		Dmitri V. Mavrodi						
Signature		DMITRI V. A	YAUX	?0Di		· · ·		•
Date		November 25, 2001						
NOTE: Signature Submit multiple fo	s of all	the inventors or assignees of recommore than one signature is require	ord of t	he entire interes	st or their	representati	ive(s) ar	e required.
□ *Total of <u>4</u>		ms are submitted. (Page 3		·				·

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT		Application Number		09/965,175	
		Filing Date		09/27/2001	
		First Named Inventor		Linda S. Thomashow et al.	
		Title		Sequences Encoding PhzO and Methods	
	,	Gro	up Art Unit	1645	
	•	Exa	miner Name	Not yet assigned	
			orney Docket Number	0229.99	
t baseline and inte		Exp	ress Mail No. / Date	EF408136186US Dec. 13,2001	
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	correspondence address for the tioned Customer Number.	ne at	pove-identified applica	tion to:	
□Firm <i>or</i> Individual Name					
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Country					
Telephone		F	ax		
I am the: ☐ Applicant/Invent ☐ Assignee of reco	or. ord of the entire interest. See	37 C	FR 3 71		
	r 37 CFR 3.73(b) is enclosed.	(Fo	rm PTO/SB/96).		
		lican	t or Assignee of Recor	d	
Name	David M. Weller	_			
Signature	David M. Wellon				
Date	David M. Weller December 3, 2001				
NOTE: Signatures of all Submit multiple forms if	the inventors or assignees of recommore than one signature is require	ord of	the entire interest or their	representative(s) are required.	

* . . . L. Sub...



DECEMBER 14, 2001

USDA-ARS-OTT MARGARET A. CONNOR 800 BUCHANAN ST. ALBANY, CA 94710

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

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RECORDATION DATE: 12/13/2001

REEL/FRAME: 012234/0389

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

THOMASHOW, LINDA S.

DOC DATE: 12/03/2001

ASSIGNOR:

WELLER, DAVID M.

DOC DATE: 12/03/2001

ASSIGNEE:

AGRICULTURE, UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF, THE WASHINGTON, D.C. 20250-1400

SERIAL NUMBER: 09965175 PATENT NUMBER:

FILING DATE: 09/27/2001

ISSUE DATE:

PAULA MCCRAY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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> Margaret A. Connor Typed Name of Person Signing this Certificate

DE4000470				
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Name of conveying party(ies):	Name and address of receiving party(ies)			
Linda S. Thomashow David M. Weller	Name: The United States of America, as represented			
Additional name(s) of conveying party(les) attached? [] Yes [X] No	_by the Secretary of Agriculture			
Nature of Conveyance:	City: <u>Washington, D.C.</u> Zip: <u>20250-1400</u>			
[X Assignment	Additional name(s) & address(es) attached? [] Yes [X] No			
Application number(s) or patent number(s):				
If this document is being filed together with a new application,	the execution date of the application is:			
A. Patent Application No.(s) 09/965,175 Filed 09/27/20	B. Patent No.			
Additional numbers attached? []	Yes [X]No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]			
Name: Margaret A. Connor, Patent Attorney	7. Total Fee (37 CFR 3.41) \$ 40.00			
Internal Address: <u>USDA-ARS-OTT</u>	[] Enclosed [X] Authorized to be charged to Deposit Account			
Street Address: 800 Buchanan St.	8. Deposit Account Number: 23-1058			
City: Albany State: CA Zip: 94710				
DO NOT USE	THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and	I correct and any attached copy is a true copy of the original document.			
Margaret A. Connor Margaret Cornor December 13, 2001				
Name of Person Signing V Sign	nature Date			



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Docket No.: 0229.99

Margaret A. Connor

Typed Name of Person Signing this Certificate

Margaret Connor

Patent

ASSIGNMENT

WHEREAS, WE, LINDA S. THOMASHOW and DAVID M. WELLER, both residing at Pullman, Washington, having jointly made an invention entitled SEQUENCES ENCODING PHZO AND METHODS with Shannon M. Delaney and Dmitri V. Mavrodi, for which we have made application for Letters Patent of the United States, Serial No. 09/965,175, filed September 27, 2001; and

WHEREAS, the WORLDWIDE patent rights in our share said invention are assignable to the United States by virtue of our having made the invention while in the employ of the United States Department of Agriculture under applicable law and regulations of the United States Department of Agriculture which render the patent rights so assignable; and

WHEREAS, the United States, as represented by the Secretary of Agriculture, is desirous of acquiring an assignment of said patent rights;

NOW, THEREFORE, in consideration of these premises, we hereby assign said WORLDWIDE patent rights to the United States of America, as represented by the Secretary of Agriculture.

Executed <u>December</u> 3, 2001

LINDA S. THOMASHOW

Executed December 3, 2001

DAVID M WELLER

COPY



AUGUST 01, 2002

PTAS

MARGARET A. CONNOR, PATENT ATTORNEY 800 BUCHANAN ST. USDA-ARS-OTT ALBANY, CA 94710

Chief Information Officer Washington, DC 20231 www.uspto.gov



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RECORDATION DATE: 05/29/2002

REEL/FRAME: 012942/0039

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DELANEY, SHANNON M.

DOC DATE: 05/03/2002

ASSIGNOR:

MAVRODI, DMITRI V.

DOC DATE: 04/30/2002

ASSIGNEE:

WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION 1610 N.E. EASTGATE BLVD. PULLMAN, WASHINGTON 99163

SERIAL NUMBER: 09965175

PATENT NUMBER:

FILING DATE: 09/27/2001

ISSUE DATE:

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Margaret A. Connor

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Name of conveying party(ies):	Name and address of receiving party(ies)	
Shannon M. Delaney Dmitri V. Mavrodi 5-29-62	Name: Washington State University Research	
Additional control of control of the	<u>Foundation</u>	
Additional name(s) of conveying party(ies) attached? [] Yes [X] No 3. Nature of Conveyance:	Street Address: 1610 N.E. Eastgate Blvd.	
[X] Assignment	City/State: Pullman, Washington Zip: 99163 Additional name(s) & address(es) attached? [] Yes [X] No	
Execution Date: May 3, 2002 and April 30, 2002	Additional manie(s) & address(es) attached: [] Tes [X] No	
4. Application number(s) or patent number(s):	·	
If this document is being filed together with a new application	, the execution date of the application is:	
A. Patent Application No.(s) 09/965,175 Filed	September 27, 2001 B. Patent No.	
Additional numbers attached? [] Yes [X] No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]	
Name: Margaret A. Connor, Patent Attorney	7. Total Fee (37 CFR 3.41) \$ 40.00	
Internal Address: USDA-ARS-OTT	[X] Enclosed (WSURF Check # 2841)	
	[] Authorize to be charged to Deposit Account	
Street Address: 800 Buchanan St.		
City: Albany State: CA Zip: 94710	8. Deposit Account Number:	
DO NOT USE	THIS SPACE	
6/4/2002 TDIAZ1 00000194 09965175		
1 fc:561 40.00 07	•	
9. Statement and signature.		
To the best of my knowledge and belief, the foregoing information is true and	nd correct and any attached copy is a true copy of the original document.	
M. 4	~ 0	
Margaret A. Connor // Argaret Connor May 29, 2002 Name of Person Signing Signature Date //		
Total number of pages comprising cover s	heel [1]	

ASSIGNMENT

WHEREAS, we, SHANNON M. DELANEY, of Schiller Park, County of Cook, State of Illinois, and DMITRI V. MAVRODI, of Pullman, County of Whitman, State of Washington, have invented a certain invention, entitled SEQUENCES ENCODING PHZO AND METHODS, for which we made a utility application for Letters Patent of the United States, said application having been filed on September 27, 2001, as Application No. 09/965,175; and

WHEREAS, WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION, a corporation organized under the laws of the State of Washington, having a place of business at 1610 N.E. Eastgate Blvd., Pullman, WA 99163, desires to acquire an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, SHANNON M. DELANEY and DMITRI V. MAVRODI, hereby sell, assign and transfer to WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION, our full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to WASHINGTON STATE UNIVERSITY RESEARCH FOUNDATION, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid WASHINGTON STATE

4/19/2002 WSURF Case No.

UNIVERSITY RESEARCH FOUNDATION, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at the place and date opposite our respective signatures below.

At CHICAGO, TLLINDIS (City and State)	SHANNON M. DELANEX
on this <u>3</u> day of <u>May</u> , 2002.	"OFFICIAL SEAL"
STATE OF ILLINOIS)) ss.	Michael S. Francis Notary Public, S. of Minois My Commission Experience, 2, 2004
COUNTY OF COOK)	My Commission E

This ____ day of _____, 2002, before me personally came the above-named SHANNON M. DELANEY, who executed the foregoing instrument in my presence, and who acknowledged to me that she executed the same of her own free will for the purposes set forth therein.

Notary Public for State of

My Commission Expires:

[SEAL]

Donitri Marredi

At Pulman Washington

on this 30 day of April , 2002.

STATE OF WASHINGTON)

SS.

COUNTY OF WHITMAN

This day of April, 2002, before me personally came the above-named DMITRI V. MAVRODI, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

STEVANNA TEBER

Notary Public for State of Washington My Commission Expires: 12-9-2008

Sheyanna K. Weber

COPY

Appl. No. 09/965,175 Attachment to Amendment Reply to Office Action of July 29, 2003

<u>PATENT</u>

Certificate of Mailing by Express Mail Express Mail No.: EF 246209175 US Date of Deposit: October 29, 2003

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 on the date indicated above and is addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450

Depositor's Name: Margaret A. Connor

Depositor's Signature: Margaret A. Connos

Appl. No. : 09/965.1

09/965,175 Confirmation No. 3943

Applicant

Linda S. Thomashow et al.

Filed:

September 27, 2001

TC/A.U.

1652

Examiner

Charles L. Patterson Jr.

Docket No. Customer No.

0229.99

: 25278

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

DECLARATION OF DEPOSIT OF BIOLOGICAL MATERIAL IN ACCORDANCE WITH 35 U.S.C. 112

Linda S. Thomashow declares as follows:

She is a joint inventor with Shannon M. Delaney, Dmitri Mavrodi, and David M. Weller of the subject matter described and claimed in the above-identified application.

Statement of Deposit

Plasmids identified below were introduced into the designated host strains and the transformed strains were deposited under terms of the Budapest Treaty with Agricultural Research Service Culture Collection (NRRL) National Center for Agricultural Utilization Research, Agricultural Research Service, U.S. Department of Agriculture, 1815 North University Street, Peoria, Illinois 61604 USA on the date listed and given the following accession numbers:

PATENT

<u>Host</u>	<u>Plasmid</u>	Accession No.	Date of Deposit
E. coli JM109	pUC2.9XP, clone 12	NRRL B-30341	10/06/2000
E. coli JM109	pUC2.9XP, clone 16	NRRL B-30342	10/06/2000
P. fluorescens 2-79	pUC2.9XP, clone 12	NRRL B-30343	10/06/2000
P. fluorescens 2-79	pUC2.9XP, clone 12	NRRL B-30344	10/06/2000
E. coli JM 109	pGEM-PHZO	NRRL B-30345	10/11/2000
E. coli JM109	pGEM-PHZO	NRRL B-30346	10/11/2000

The depository affords permanence of the deposits and ready accessibility thereto by the public if a patent is granted, under conditions which assure (a) that access to the cultures will be available during pendency of the patent application to one determined by the Commissioner to be entitled thereto under 37 CFR 1.14 and 35 U.S.C. 122, and (b) that all restrictions, if any, on the availability to the public of the cultures so deposited will be irrevocably removed upon the granting of a patent. Copies of the NRRL deposit receipts and viability statements are attached.

The undersigned declares further that all statements made herein of her own knowledge are true and that all statements made on information and belief are believed true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed Optober 27, 2003

LINDA S. THOMASHOW

Enclosures:

NRRL Budapest Treaty Deposit Receipts NRRL Budapest Treaty Viability Statements a commence of the contract of the standard of

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO
USDA, ARS
Lab 36 Johnson Hall
Washington State University
Pullman, WA 99164-6430

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS OF DEPOSITOR

CF DEPOSITOR		
I. IDENTIFICATION OF THE MICROORGANISM		
Identification reference given by the DEPOSITOR: Bucherichia coli JK109p2.9xP-12	Accession number gi INTERNATIONAL DEPOS NRRL B-30341	ven by the
	NRRL 8-30341	
II. SCIENTIFIC DESCRIPTION AND/OR PROPOS	SED TAXONOMIC DESIGNA	VIION
The microorganism identified under I. above	ve was accompanied by	2
a scientific description		
a proposed taxonomic designation		
(Mark with a cross where applicable)		
III. RECEIPT AND ACCEPTANCE		
This International Depositary Authority ac above, which was received by it on October	ccepts the microorgan : 6, 2000(date of the	ism identified under I. original deposit)1
IV. RECEIPT OF REQUEST FOR CONVERSION		The second se
to convert the original deposit to a depos	(date of the origina	deposit and a request t Treaty was received by
V. INTERNATIONAL DEPOSITARY AUTHORITY		
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority	to represent the In	son(s) having the power ternational Depositary horized official(s):
Address: 1815 N. University Street Peoria, Illinois 61604 U.S.A.	Date: 10-2	77 4.00

Where Rule 6.4(d) applies, such date is the date on which the status of international depositary authority was acquired.

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BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO USDA, ARS Lab 36 Johnson Hall Washington State University Pullman, WA 99164-6430

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS OF DEPOSITOR

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5093357674

OF DEFOSITOR		
I. IDENTIFICATION OF THE MICROORGANISM		
Identification reference given by the DEPOSITOR:	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY:	
Escherichia coli JM109p2.9xP-16	NRRL B-30342	
II. SCIENTIFIC DESCRIPTION AND/OR PROPOS	ED TAXONOMIC DESIGNATION	
The microorganism identified under I. abov		
a scientific description		
a proposed taxonomic designation		
(Mark with a cross where applicable)		
III. RECEIPT AND ACCEPTANCE		
This International Depositary Authority accepts the microorganism identified under I. above, which was received by it on October 6, 2000(date of the original deposit)		
IV. RECEIPT OF REQUEST FOR CONVERSION		
The microorganism identified under I. above was received by this International Depositary Authority on (date of the original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).		
V. INTERNATIONAL DEPOSITARY AUTHORITY		
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):	
Address: 1815 N. University Street Peoria, Illinois 61604 U.S.A.	Date: 10-24-00	

^{&#}x27;Where Rule 6.4(d) applies, such date is the date on which the status of international depositary authority was acquired.

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BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROCRGAMISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO
USDA, RRS
Lab 36 Johnson Hall
Washington State University
Pullman, WA 99164-6430

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS

Accession number gi	ven by the ITARY AUTHORITY:	
NRRL E-30343		
sed taxonomic designa	rion	
ve was accompanied by		
X a proposed taxonomic designation		
	·	
cepts the microorgan : 6, 2000(date of the	lem identified under I. original deposit) ¹	
IV. RECEIPT OF REQUEST FOR CONVERSION		
The microorganism identified under I. above was received by this International Depositary Authority on (date of the original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).		
V. INTERNATIONAL DEPOSITARY AUTHORITY		
Signature(s) of per- to represent the In- Authority or of aut	con(s) having the power cornational Depositary corized official(s):	
Date:	10-24.00	
	INTERNATIONAL DEPOS NRRL E-30343 SED TAXONOMIC DESIGNA TO WAS SCCOMPANIED by Companied by Compa	

Where Rule 6.4(d) applies, such date is the date on which the status of international depositary authority was acquired.

Consider the Constitution of the State of th

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROGRAMISMS FOR THE PURFOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO
USDA, ARS
Lab 36 Johnson Hall
Washington State University
Pullman, WA 99164-6430

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the Lottom of this page

NAME AND ADDRESS

OF DEPOSITOR			
I. IDENTIFICATION OF THE MICROORGANISM			1
Identification reference given by the DEPOSITOR: Pseudomonas fluorescens 2-79p2.9xp- 12(2)	Accession number quantum number quan	ven by the	
12(2)			" :
II. SCIENTIFIC DESCRIPTION AND/OR PROPOS	ED TAXONOMIC DESIGNA	TION	
The microorganism identified under I. abov			
a scientific description	-		
a proposed taxonomic designation			
(Mark with a cross where applicable)			
III. RECEIPT AND ACCEPTANCE			
This International Depositary Authority acabove, which was received by it on October	capts the microorgan 6, 2000(date of the	ism identified under I. original deposit)	
IV. RECEIPT OF REQUEST FOR CONVERSION			
The microorganism identified under I. above Depositary Authority on to convert the original deposit to a deposit on (date of receipt of	「 門	deposit) and a request	
V. INTERNATIONAL DEPOSITARY AUTHORITY			
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority	Signature(s) of per- to represent the In- Authority or of aut	son(s) having the power carnational Depositary forized official(s):	
Address: 1815 N. University Street Paoria, Illinois 61604 U.S.A.	Date: [c	24.00	

Where Rule 6.4(d) applies, such date is the date on which the status of international depositary authority was acquired.

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BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO
USDA, ARS
Lab 36 Johnson Hall
Washington State University
Pullman, WA 99164-6430

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT 168Ued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS

I . . . Acceptance and a

OF DEPOSITOR			
I. IDENTIFICATION OF THE MICROORGANISM			1
Identification reference given by the DEPOSITOR:	Accession number gi	ITARY AUTHORITY:	
Escherichia coli JM109(pGEM-PH20)	NRRL 8-30345		
II. SCIENTIFIC DESCRIPTION AND/OR PROPOS	ED TAXONOMIC DESIGNA	TION	
The microorganism identified under I. abov	e was accompanied by		·
a scientific description			;
a proposed taxonomic designation			
(Mark with a cross where applicable)	·		
III. RECEIPT AND ACCEPTANCE			i
This International Depositary Authority ac above, which was received by it on October	cepts the microorgan 11, 2000(date of th	ism identified under I. original deposit)1	
IV. RECEIPT OF REQUEST FOR CONVERSION			
The microorganism identified under I. abov Depositary Authority on to convert the original deposit to a Capoc	(date of the original	deposit) and a request	lino, vi
V. INTERNATIONAL DEPOSITARY AUTHORITY			ı.
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority	to represent the In	son(s) having the power cernational Depositary norized official(s):	
Address: 1815 N. University Street Paoria, Illinois 61604 U.S.A.	Date:	10-24-00 	
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Where Rule 6.4(d) applies, such date is the date on which the status of international depositary authority was acquired.

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGAMISHS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO
USDA, ARS
Lab 36 Johnson Hall
Washington State University
Pullman, WA 99164-6430

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT issued pursuant to Rule 7.1 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS

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OF DEPOSITOR		
I. IDENTIFICATION OF THE MICROORGANISM		
Identification reference given by the DEPOSITOR: Bacherichia coli JM109(pGEM-PH20(2))	Accession number gi INTERNATIONAL DEPOS NRRL B-30346	ITARY AUTHORITY:
II. SCIENTIFIC DESCRIPTION AND/OR PROPOS	SED TAXONOHIC DESIGNA	CION .
The microorganism identified under I. above		
a scientific description		
a proposed taxonomic designation		·
(Hark with a cross where applicable)		
III. RECEIPT AND ACCEPTANCE		
This International Depositary Authority ac above, which was received by it on October	cepts the microorganic 11, 2000 (date of the	om identified under I. original deposit)1
IV. RECEIPT OF REQUEST FOR CONVERSION		
to convert the original deposit to a depos	(date of the original	deposit) and a request Treaty was received by
V. INTERNATIONAL DEPOSITARY AUTHORITY		
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority	Signature(s) of per- to represent the In- Authority or of auth	on(s) having the power ernational Depositary orized official(s):
Address: 1815 N. University Street Peoria, Illinois 61604 U.S.A.	Date:	10-24-00
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Where Rule 6.4(d) applies, such date is the date on which the status of international depositary authority was acquired.

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO

USDA, ARS Lab 36 Johnson Hall Washington State University Pullman, WA 99164-6430

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YIABILITY STATEMENT

issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS OF THE PARTY TO WHOM THE VIABILITY STATEMENT IS ISSUED

I. DEPO			
I. DEPOS	STIOK	II. IDENTIFICATION	OF THE MICROORGANISM
Name:	USDA, ARS	Depositor's taxonom	ic designation and
Address:	Lab 36 Johnson Hall Washington State University	accession number gi	ven by the
	Pullman, WA 99164-6430	INTERNATIONAL DEPOS	STARY AUTHORITY:
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		Date of: October 6	2000
	·	X 2 Original Depos	lt.
		New Deposit	
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		rapropagación	of Original Deposit
III. (a)	VIABILITY STATEMENT		
Deposit w	MAE found: W Viable Nonvial	ole on October 7, 200	(Dete)
Interneti	onal Depositary Authority's prep	eretion was found wis	him an arrahan 22 narran i si
			old of october 23, 2000 (Date)
III. (b)	DEPOSITOR'S EQUIVALENCY DECLAR	ATION	
Depositor	determined the International De	positary Authority's	oreparation was
	Depositor determined the International Depositary Authority's preparation was		
2 Equivalent : Not equivalent to decosit on Normber (6 3000 (Date)			
Signature of Depositor Lunda & Thomashow			
LV. LUND	ITIONS UNDER WHICH THE VIABILITY	TEST WAS PERFORMED (epositors/sepositary)
V. INT	ERNATIONAL DEPOSITARY AUTHORITY		
	icultural Research Culture	51	
C	ollection (NRRL)	to represent the Tak	on(s) having the power ernational Depositary
	ernational Depositary Authority	Authority or of auth	orized official(a):
		\mathcal{A}	hory
Madress:	1815 M. University Street Peoxia, Illinois 61604 U.S.A.	nata.	27
1 7 17 1	TARGETT TOTAL U.D.A.	Datez	0.24-00

the original deposit or when a new deposit has been made.

Mark with a cross the applicable box.
In the cases referred to in Rule 10.2(a)(ii) and (iii), refer to the most recent visbility test. * Fill in it the information has been requested.

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO

YIABILITY STATEMENT

USDA; ARE Lab 36 Johnson Hall Washington State University Pullman, WA 99164-6430

issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSETARY AUTEORITY identified at the bottom of this page

NAME AND ADDRESS OF THE PARTY TO WHOM THE VIABILITY STATEMENT IS ISSUED

I. DEPOSITOR Name: USDA, ARS Lab 36 Johnson Hall Address: Washington State University Pullman, WA 99164-6630	Depositor's taxonomic designation and accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: Pacherichia dell MRRI N-30342 Date of: October 6, 2000 X 2 Original Deposit 2 New Deposit 2 Repropagation of Original Deposit
III. (a) VIABILITY STATEMENT	
Deposit was found: Viable Nonviab	le on October 7, 2000 (Date) Leation was found viable on October 23, 2000(Date)3
III. (b) DEPOSITOR'S EQUIVALENCY DECLARA	TION
Depositor determined the International Dep	cositary Authority's preparation was
Equivalent . Not equivalent to de Signature of Depositor	mashow (Date)
IV. CONDITIONS UNDER WHICH THE VIABILITY	TEST WAS PERFORMED (Depositors/Depositary)
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority	Signature(a) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):
Address: 1815 N. University Street Peoris, Illinois 61604 U.S.A.	Date: 10-24-00

Indicate the date of the original deposit or when a new deposit has been made.

Mark with a cross the applicable box.

In the cases referred to in Rule 10.2(a)(ii) and (iii), refer to the most recent viability test.

^{&#}x27; Fill in if the information has been requested.

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL PORM

USDA, ARS Lab 36 Johnson Hall Washington State University Pullman, WA 99164-6430

VIABILITY STATEBERT

issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS OF THE PARTY TO WHOM THE VIABILITY COAMON

Fill in if the information has been requested.

THE VIRGITIE STATEMENT IS ISSUED	•
I. DEPOSITOR	II. IDENTIFICATION OF THE MICROORGANISM
Name: USDA, ARS Lab 36 Johnson Hall Address: Washington State University Fullman, WA 59168-6430	Depositor's taxonomic designation and accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: Pseudomonas fluorescens Mari 8-10363
	Date of: October 6, 2000 X * Original Deposit 2 New Deposit 2 Repropagation of Original Deposit
III. (a) VIABILITY STATEMENT	
Deposit was found:	ble on October 7, 2000 (Date) aration was found viable on October 23, 2000(Date)
III. (b) DEPOSITOR'S EQUIVALENCY DECLAR	ATION
Depositor determined the International Depositor 2 Equivalent 1 Not equivalent to designature of Depositor 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	sposit on househar 1/2000 (Date)
IV. CONDITIONS UNDER WHICH THE VIABILITY	TEST WAS PERFORMED (Depositors/Depository)
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority Address: 1815 N. University Street Pecria, Illinois 61604 U.S.A.	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):
Indicate the date of the original deposit or when a na Mark with a cross the applicable box. In the cases referred to in Rule 10.2(a) (iii and (iii) Fill in if the information has been requested.	Date: (ο - λ γ. ω w deposit has been made. refer to the most recent viability test.

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

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VIABILITY STATEMENT

USDA, ARS Lab 36 Johnson Hall Washington State University Pullman, WA 99164-6430

issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME	AND	ADDRI	283	OF	THE	PARTY	TO	WHOM
THE	VIAB	LITY	ST	PRI	CENT	70 70	01100	,

II. IDENTIFICATION OF THE MICROGRAMI Name: USDA, ARS Lab 36 Johnson Hall Address: Washington State University Pullman, WA 98164-6430 Depositor's taxonomic designation and accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: Pseudomonas floory was floory was found beposit Repropagation of Original Deposit III. (a) VIABILITY STATEMENT Deposit was found: X Viable Nonviable on October 7, 2000 (Date) International Depositary Authority's preparation was found viable on October 23, 2000 III. (b) DEPOSITOR'S EQUIVALENCY DECLARATION Depositor determined the International Depository Butboy(five)	
Name: USDA, ARS Lab 36 Johnson Hall Address: Mashington State University Pullman, WA 98164-6430 Depositor's taxonomic designation and accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: Pseudosonas Floures SERL 3-30344 Date of: October 6, 2000 X ' Original Deposit Repropagation of Original Deposit III. (a) VIABILITY STATEMENT Deposit was found: X Viable Nonviable on October 7, 2000 (Date) International Depositary Authority's preparation was found viable on October 23, 2000 III. (b) DEPOSITOR'S EQUIVALENCY DECLARATION	
III. (a) VIABILITY STATEMENT Deposit was found: K Viable Nonviable on October 7, 2000 (Date) International Depositary Authority's preparation was found viable on October 23, 2000 III. (b) DEPOSITOR'S EQUIVALENCY DECLARATION	
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International Depositary Authority's preparation was found viable on October 23, 2000	(Daze)3 .
Depositor determined the International Depository Authority to	
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Signature of Depositor Kinders Thomas Low	
IV. CONDITIONS UNDER WHICH THE VIABILITY TEST WAS PERFORMED (Depositors/Depositor	y)
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority Signature(s) of person(s) having the po- to represent the International Deposita Authority or of authorized official(s):	wer
Peoria, Illinois 61604 U.S.A. Data:	

¹ Indicate the date of the original deposit or when a new deposit has been made.
2 Mark with a cross the applicable box.

In the cases referred to in Rule 10.2(a)[ii] and (iii), refer to the most recent viability test. Fill in if the information has been requested.

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BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO

USDA, ARS
Lab 36 Johnson Hall
Washington State University
Fullman, WA 99164-6430

YLABILITY STATEMENT

issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS OF THE PARTY TO WHOM

THE VIABILITY STATEMENT IS ISSUED						
I. DEPOSITOR	II: IDENTIFICATION OF THE MICROORGANISM					
Name: USDA, ARS Lab 36 Johnson Hall Address: Washington State University Pullman, WA 99164-6430	Depositor's taxonomic designation and accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: Escherichia coli NRRL B-30345					
	Date of: October 11: 2600 2 Original Deposit 2 New Deposit 3 Repropagation of Original Deposit					
III. (a) VIABILITY STATEMENT						
Deposit was found: Viable Nonviable on October 12, 2000 (Date) International Depositary Authority's preparation was found viable on October 23, 2000(Date)						
III. (b) DEPOSITOR'S EQUIVALENCY DECLARATION						
Depositor determined the International Depositary Authority's preparation was Z Equivalent 1 Not equivalent to deposit on November 16, 2000 (Date) Signature of Depositor Andre James 1						
IV. CONDITIONS UNDER WHICH THE VIABILITY 1	TEST WAS PERFORMED (Depositors/Depository)					
V. INTERNATIONAL DEPOSITARY AUTHORITY						
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):					
Address: 1815 N. University Street Peoria, Illinois 61604 U.S.A.	Date: 10-24.00					

Indicate the date of the original deposit or when a new deposit has been made.

Mark with a cross the applicable box.

In the cases referred to in Rule 10.2(a)(ii) and (iii), refer to the most recent viability test. Fill in if the information has been requested.

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSE OF PATENT PROCEDURES

INTERNATIONAL FORM

TO

VIABILITY STATEMENT

USDA, ARS Lab 36 Johnson Hall Washington State University Pullman, WA 99164-6430

issued pursuant to Rule 10.2 by the INTERNATIONAL DEPOSITARY AUTHORITY identified at the bottom of this page

NAME AND ADDRESS OF THE PARTY TO WHOM

THE VIABILITY STATEMENT IS ISSUED		•
I. DEPOSITOR	II. IDENTIFICATION	OF THE MICROORGANISM
Name: USDA, ARS Lab 36 Johnson Hall Address: Washington State University Pullman, WA 99164-6430	Depositor's taxonom accession number gi	ic designation and
	Date of: October it X 'Original Deposit 2 New Deposit 2 Repropagation	The state of the s
III. (A) VIABILITY STATEMENT		
Deposit was found: Viable Nonviab	i i	
III. (b) DEPOSITOR'S EQUIVALENCY DECLARA	TION	
Depositor determined the International Depositor 2 Equivalent 2 Not equivalent to designature of Depositor Anda Signature	ositary Authority's	
IV. CONDITIONS ONDER WHICH THE VIABILITY		
		SCELECT / Beyond fam / 1
V. INTERNATIONAL DEPOSITARY AUTHORITY		
Name: Agricultural Research Culture Collection (NRRL) International Depositary Authority	Signature(s) of person to represent the Inte Authority or of authority	on(s) having the power prnational Depositary orized official(s):
Address: 1815 N. University Street Pecria, Illinois 61604 U.S.A.	Date:	392 1-24-00

¹ Indicate the date of the original deposit or when a new deposit has been made.

Mark with a cross the applicable box.

In the cases referred to in Rule 10.2(a)(ii) and (iii), refer to the most recent viability test. fill in if the information has been requested.